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[0026] What is claimed is:

1. A method for acquiring packet synchronization in a packet type communication network, comprising:

providing a data packet having a framing format including a preamble split into a plurality of subpreambles;

for individual subpreamble and for combined subpreamble options, determine the following parameter:

$$\beta_i = \frac{1}{T_i^2} \left| \int_{t_i}^{t_i + T_i} r(t) \cdot e^{-j \phi_i} \right|^2 dt;$$

where T_i is the preamble or subpreamble duration in each option, t_i is the preamble or subpreamble start time, and $\hat{\phi}_i$ is the estimated phase shift in each option;

determine synchronization using correlation with a priori known symbols using the subpreamble or combined subpreamble option which provides the lowest β .

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